

Custodial, Labor and Trades Branch
Skilled Trades Group
Automotive Maintenance Series

AUTOMOTIVE TECHNICIAN III

03/95

Summary

Under general supervision, on assigned shift, performs skilled repair and maintenance of a diverse variety of gasoline, diesel, and alternative fuel powered vehicles, and related equipment; and performs related work as required.

Typical Duties

Performs major overhaul and repair of diesel, gasoline and alternative fuel (liquid propane, compressed or liquefied natural gas) powered engines; maintains and repairs such specialized equipment as bulldozers, sweepers, graders, power mowers, fire apparatus and aircraft support vehicles; operates testing equipment to check components, pressures, and to make adjustments to engine; checks engine emissions with four-gas analyzer and makes necessary adjustments; trouble shoots and repairs electronic systems, to include diesel and gasoline engines, automatic transmissions, and hydraulic systems; repairs construction equipment, electronically controlled systems, and electronic network interfaces; overhauls or replaces pumps, compressors, turbos, blowers, generators, alternators, shock absorbers, starters, and other related equipment as required; repairs hydraulic and air brake systems, doors and their components; performs state vehicle inspections as assigned; perform minor welding; makes shop and road tests of equipment repaired before placing it back in service; consults repair manuals; requisitions spare parts, tools and supplies as assigned.

Supervises and trains subordinate employees as assigned; acts on behalf of shop supervisor as assigned; maintains records and material used and time worked on equipment; complies with and enforces safety practices.

Minimum Qualifications

Training and Experience: Completion of high school (or G.E.D.) and five years of experience in major overhaul, repair and maintenance of automotive and construction equipment including three years in the repair of diesel engines and/or hydraulics; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Considerable knowledge of the methods, principles and techniques used in the repair and maintenance of automotive and related equipment; considerable knowledge of the use and care of equipment and tools of the trade; considerable knowledge of the occupational hazards and safety practices of the trade; considerable knowledge of repair and maintenance procedures of diesel and other alternative fuel powered engines and related equipment.

Ability to identify, diagnose and repair mechanical problems; ability to operate diagnostic equipment; ability to follow oral and written instructions; ability to read and understand maintenance manuals; ability to train subordinate employees; ability to establish and maintain effective working relationships with fellow employees; ability to maintain repair and time records.

Skill in the use and care of mechanic's equipment and tools.

Special Requirements: Must possess own tools of the trade prior to appointment. A list of the minimum tools requirements is on file in the Personnel Department. Positions requiring a Commercial Drivers' License (CDL) to operate vehicles on public thoroughfares, [or positions of a safety sensitive nature in Mass Transit], are subject to federal drug and alcohol testing regulations, which include preemployment, post-accident, reasonable suspicion, random, return to duty and follow-up testing.

Physical Requirements: Occasionally exposed to all weather conditions. Must test drive construction and automotive equipment within the repair yard and/or on City streets; lift and carry heavy objects (up to 50 pounds).

Licenses and Certificates: As required. Must obtain certification of competency as a Technician of Alternative Fuels issued by the LP gas division of the Texas Railroad Commission during probation.

Director of Personnel

Department Head

OFFICIAL